



PATENT
P56366

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

KYU-HWANG CHUNG

Serial No.: 09/840,084

Examiner: DUONG, THOI V

Filed: 24 April 2001

Art Unit: 2169

For: DISPLAYING APPARATUS WITH FLAT PANEL

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O.Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.56, and §§1.97 and 1.98 as amended, Applicant cites, describes, and provides copies of the following art references:

FOREIGN PATENT REFERENCE:

- Japanese Patent Publication No. 08-22026 to Mori, entitled LIQUID CRYSTAL DISPLAY DEVICE, published on 23 January 1996 (English language Abstract is attached);
- Japanese Patent Publication No. 11-284291 to Tashiro, entitled CIRCUIT BOARD AND LIQUID CRYSTAL DISPLAY DEVICE WITH THE CIRCUIT BOARD MOUNTED, published on 15 October 1999 (English language Abstract is attached);
- Japanese Patent Publication No. 11-352509 to Tashiro, entitled LIQUID CRYSTAL

DISPLAY DEVICE, published on 24 December 1999 (English language Abstract is attached); and

- Japanese Patent Publication No. 07-128680 to Watanabe *et al.*, entitled LIQUID CRYSTAL DISPLAY UNIT, published on 19 May 1995 (English language Abstract is attached).

OTHER DOCUMENTS:

- *Japanese Office Action* issued in Applicant's corresponding Japanese Patent Application No. 2001-116791 (dated 10 February 2004)

DISCUSSION

Mori (JP 08-022026) discloses a liquid crystal display device arranging ground wires between the adjacent wiring of signal lines of different periods or signal lines of different potential differences of a driving circuit.

Tashiro (JP 11-284291) discloses a circuit board and liquid crystal display device with the circuit board mounted including ground pads, a pad and ground pattern to accommodate a reduction of electromagnetic interference.

Tashiro (JP 11-352509) discloses a liquid crystal display device having a connection to

ground connection points to a casing on a circuit board and the ground on the circuit board, only by packing of chip parts.

Watanabe (JP 07-128680) discloses a liquid crystal display device with a construction including a supporting frame, LCD panel and circuit substrate to provide the LCD unit a capability of preventing a driver IC from being broken due to static electricity and preventing a connector and a substrate from being broken due to the load and the pressure from the outside.

Japanese Office Action corresponding to Japanese Patent Application No. 2001-116791 applied the above references with respect to claims 1-3 by applying the IC where the circuit board surrounded by LCD modules and forming a pattern grounded connecting outer system by connecting a cable.

The citation of the foregoing references is not intended to constitute an assertion that other or more relevant art does not exist. Accordingly, the Examiner is requested to make a wide-ranging and thorough search of the relevant art.

No fee is incurred by this Statement.

Respectfully submitted,



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INFORMATION DISCLOSURE STATEMENT PTO-1449 (PAGE 1 OF 1)		SERIAL NUMBER 09/840,084	DOCKET NO. P56366
		APPLICANT KYU-HWANG CHUNG	
		FILING DATE 24 April 2001	GROUP 2169

U.S. PATENT DOCUMENTS

EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

TRANSLATION

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	JP 08-22026	01/96	JAPAN			Abstract	
	JP 11-284291	10/99	JAPAN			Abstract	
	JP 11-352509	12/99	JAPAN			Abstract	
	JP 07-128680	05/95	JAPAN			Abstract	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	<i>Japanese Office Action issued in Applicant's corresponding Japanese Patent Application No. 2001-116791 (dated 10 February 2004).</i>

EXAMINER: DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.